

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 55-069793

(43)Date of publication of application : 26.05.1980

(51)Int.Cl.

F04D 29/10
F16J 15/40

(21)Application number : 53-143009

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(22)Date of filing : 20.11.1978

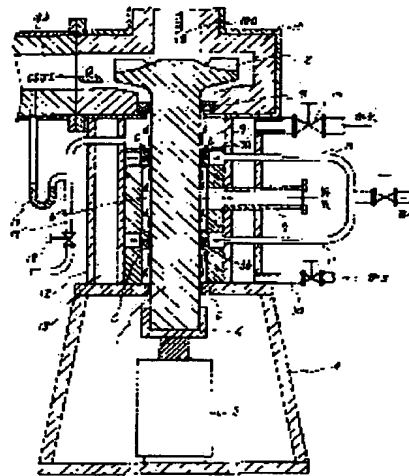
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(54) SEALING SYSTEM FOR AXIS OF BLOWER FOR PRESSURE TRANSPORTATION OF POISONOUS GAS

(57)Abstract:

PURPOSE: To ensure the prevention of gas leakage by controlling sealing gas pressure in conformity with the outlet pressure of an impeller.

CONSTITUTION: Approximately half of a gas used by an upper gas bearing 3a flows into a sealing chamber 9 provided between a labyrinth fin 8 and the gas bearing 3a. As the pressure difference between the pressure in the sealing chamber 9 and that at the outlet 10b stream is indicated by a manometer 16, the pressure is controlled in such a manner that the pressure in the sealing chamber 9 is higher than that at the outlet 10b of the stream, using a control valve 18. Thus the leakage of CO and other gases can be prevented certainly.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]